

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	63828	(image\$1 and (template\$1 or mask\$1 or kernal\$1 or reference\$1)) and (match or compare)	USPAT	OR	OFF	2003/11/20 14:22
S2	14913	((image\$1 and (template\$1 or mask\$1 or kernal\$1 or reference\$1)) and (match or compare)) and face	USPAT	OR	OFF	2003/08/14 15:05
S3	565	((((image\$1 and (template\$1 or mask\$1 or kernal\$1 or reference\$1)) and (match or compare)) and face) and ((degree near2 (match or similarity)) or similarity))	USPAT	OR	OFF	2003/08/14 15:53
S4	883	382/165,195,201,209.ccls.	USPAT	OR	OFF	2003/08/14 16:24
S5	805	382/165,195,201,209.ccls. and (template\$1 or mask\$1 or kernal\$1 or reference)	USPAT	OR	OFF	2003/08/14 16:25
S6	523	(382/165,195,201,209.ccls. and (template\$1 or mask\$1 or kernal\$1 or reference)) and fac\$4	USPAT	OR	OFF	2003/08/14 16:26
S7	890	Takemoto.in.	USPAT	OR	OFF	2003/11/19 09:36
S8	22165	Fuji.as.	USPAT	OR	OFF	2003/11/19 09:37
S9	20	Takemoto.in. and Fuji.as.	USPAT	OR	OFF	2003/11/19 09:41
S10	0	fac\$^ near3 template	USPAT	OR	OFF	2003/11/19 09:41
S11	1049	fac\$6 near3 template	USPAT	OR	OFF	2003/11/19 09:42
S12	0	(fac\$6 near3 template) and rotat43	USPAT	OR	OFF	2003/11/19 09:42
S13	464	(fac\$6 near3 template) and rotat\$3	USPAT	OR	OFF	2003/11/19 09:43
S14	16	(US-5912721-\$ or US-5901246-\$ or US-5850470-\$ or US-5842194-\$ or US-6529630-\$ or US-6529613-\$ or US-6498868-\$ or US-6501857-\$ or US-6075557-\$ or US-6072894-\$ or US-6038333-\$ or US-6035055-\$ or US-6018592-\$ or US-5982912-\$ or US-5963670-\$ or US-5917940-\$).did.	USPAT	OR	OFF	2003/11/19 15:58
S15	4	((US-5912721-\$ or US-5901246-\$ or US-5850470-\$ or US-5842194-\$ or US-6529630-\$ or US-6529613-\$ or US-6498868-\$ or US-6501857-\$ or US-6075557-\$ or US-6072894-\$ or US-6038333-\$ or US-6035055-\$ or US-6018592-\$ or US-5982912-\$ or US-5963670-\$ or US-5917940-\$).did.) and 3d and rotation	USPAT	OR	OFF	2003/11/19 15:58

## EAST Search History

S16	4	3D and ((fac\$5 near3 (determin\$5 or extract\$5)) near3 image\$1) same (template\$1 near3 (match\$3 or compar\$6))	USPAT	OR	OFF	2003/11/20 13:41
S17	0	3D near3 (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6)) same (resolution\$1 near3 (different or multiple))	USPAT	OR	OFF	2003/11/20 14:25
S18	2	3D near3 (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6)) and (resolution\$1 near3 (different or multiple))	USPAT	OR	OFF	2003/11/20 14:26
S19	18	3D near3 (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))	USPAT	OR	OFF	2003/11/20 14:30
S20	118	3D same (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))	USPAT	OR	OFF	2003/11/20 14:45
S21	16	(3D same (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))) and (templat\$1 or kernal\$1)	USPAT	OR	OFF	2003/11/20 14:30
S22	102	(3D same (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))) not ((3D same (fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))) and (templat\$1 or kernal\$1))	USPAT	OR	OFF	2003/11/20 14:37
S23	49713	(fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))	USPAT	OR	OFF	2003/11/20 14:48
S24	367	((fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6))) and (templat\$1 near3 (match\$4 or compar\$4))	USPAT	OR	OFF	2003/11/20 14:47
S25	66	(fac\$3 near3 (detect\$3 or identif\$6 or recogn\$5 or segment\$6)) same (template\$1 near3 (match\$4 or compar\$4))	USPAT	OR	OFF	2003/11/20 14:49
S26	0	3D near3 (facial near2 template\$1)	USPAT	OR	OFF	2003/11/21 13:07
S27	0	3D near5 (facial near2 template\$1)	USPAT	OR	OFF	2003/11/21 13:07
S28	1	3D same (facial near2 template\$1)	USPAT	OR	OFF	2003/11/21 13:08
S29	1	3D same (fac\$3 near2 template\$1)	USPAT	OR	OFF	2003/11/21 13:08
S30	2	3D same (fac\$3 near4 template\$1)	USPAT	OR	OFF	2003/11/21 13:09
S31	17	(three near2 dimension\$5) same (fac\$3 near4 template\$1)	USPAT	OR	OFF	2003/11/21 13:10

## EAST Search History

S32	33	(US-6493465-\$ or US-6498868-\$ or US-6501857-\$ or US-6529613-\$ or US-6529630-\$ or US-5963670-\$ or US-5982912-\$ or US-5842194-\$ or US-5715325-\$ or US-6574354-\$ or US-5771307-\$ or US-6594629-\$ or US-6640145-\$ or US-6028960-\$ or US-6301370-\$ or US-6477275-\$ or US-6018592-\$ or US-6038333-\$ or US-6035055-\$ or US-5850470-\$ or US-6075557-\$ or US-6072894-\$ or US-5901246-\$ or US-5912721-\$ or US-5917940-\$ or US-6243494-\$).did. or (US-6154559-\$ or US-5802220-\$ or US-6526161-\$ or US-6483532-\$ or US-6044168-\$ or US-6639998-\$ or US-6504944-\$).did.	USPAT	OR	OFF	2003/11/21 15:30
S33	2	((US-6493465-\$ or US-6498868-\$ or US-6501857-\$ or US-6529613-\$ or US-6529630-\$ or US-5963670-\$ or US-5982912-\$ or US-5842194-\$ or US-5715325-\$ or US-6574354-\$ or US-5771307-\$ or US-6594629-\$ or US-6640145-\$ or US-6028960-\$ or US-6301370-\$ or US-6477275-\$ or US-6018592-\$ or US-6038333-\$ or US-6035055-\$ or US-5850470-\$ or US-6075557-\$ or US-6072894-\$ or US-5901246-\$ or US-5912721-\$ or US-5917940-\$ or US-6243494-\$).did. or (US-6154559-\$ or US-5802220-\$ or US-6526161-\$ or US-6483532-\$ or US-6044168-\$ or US-6639998-\$ or US-6504944-\$).did.) and (display\$4 near2 (image\$1 and template\$1))	USPAT	OR	OFF	2003/11/21 15:42
S34	23	((US-6493465-\$ or US-6498868-\$ or US-6501857-\$ or US-6529613-\$ or US-6529630-\$ or US-5963670-\$ or US-5982912-\$ or US-5842194-\$ or US-5715325-\$ or US-6574354-\$ or US-5771307-\$ or US-6594629-\$ or US-6640145-\$ or US-6028960-\$ or US-6301370-\$ or US-6477275-\$ or US-6018592-\$ or US-6038333-\$ or US-6035055-\$ or US-5850470-\$ or US-6075557-\$ or US-6072894-\$ or US-5901246-\$ or US-5912721-\$ or US-5917940-\$ or US-6243494-\$).did. or (US-6154559-\$ or US-5802220-\$ or US-6526161-\$ or US-6483532-\$ or US-6044168-\$ or US-6639998-\$ or US-6504944-\$).did.) and color	USPAT	OR	OFF	2003/11/21 15:25

## EAST Search History

S35	11	((US-6493465-\$ or US-6498868-\$ or US-6501857-\$ or US-6529613-\$ or US-6529630-\$ or US-5963670-\$ or US-5982912-\$ or US-5842194-\$ or US-5715325-\$ or US-6574354-\$ or US-5771307-\$ or US-6594629-\$ or US-6640145-\$ or US-6028960-\$ or US-6301370-\$ or US-6477275-\$ or US-6018592-\$ or US-6038333-\$ or US-6035055-\$ or US-5850470-\$ or US-6075557-\$ or US-6072894-\$ or US-5901246-\$ or US-5912721-\$ or US-5917940-\$ or US-6243494-\$).did. or (US-6154559-\$ or US-5802220-\$ or US-6526161-\$ or US-6483532-\$ or US-6044168-\$ or US-6639998-\$ or US-6504944-\$).did.) and ((skin or face) near3 color)	USPAT	OR	OFF	2003/11/21 15:28
S36	1	((US-6493465-\$ or US-6498868-\$ or US-6501857-\$ or US-6529613-\$ or US-6529630-\$ or US-5963670-\$ or US-5982912-\$ or US-5842194-\$ or US-5715325-\$ or US-6574354-\$ or US-5771307-\$ or US-6594629-\$ or US-6640145-\$ or US-6028960-\$ or US-6301370-\$ or US-6477275-\$ or US-6018592-\$ or US-6038333-\$ or US-6035055-\$ or US-5850470-\$ or US-6075557-\$ or US-6072894-\$ or US-5901246-\$ or US-5912721-\$ or US-5917940-\$ or US-6243494-\$).did. or (US-6154559-\$ or US-5802220-\$ or US-6526161-\$ or US-6483532-\$ or US-6044168-\$ or US-6639998-\$ or US-6504944-\$).did.) and ((chang\$3 or modify\$4 or alter\$4) near3 ((skin or face) near3 color))	USPAT	OR	OFF	2003/11/21 15:30
S37	4	(fac\$3 near3 template\$1) and ((chang\$3 or modify\$4 or alter\$4) near3 ((skin or face) near3 color))	USPAT	OR	OFF	2003/11/21 15:31
S38	1006	382/154,115,118,119.ccls.	USPAT	OR	OFF	2003/11/21 15:42
S39	160	382/154,115,118,119.ccls. and fac\$3 and template\$1	USPAT	OR	OFF	2003/11/21 15:43
S40	2048	(3D or (three near2 dimension\$4)) near "5" (fac\$3 near2 template\$1)	USPAT	OR	OFF	2003/11/23 11:57
S41	6	(3D or (three near2 dimension\$4)) near5 (fac\$3 near2 template\$1)	USPAT	OR	OFF	2003/11/23 11:57
S42	97	(3D or (three near2 dimension\$4)) near5 (fac\$3 near2 (template\$1 or kernal\$1 or mask\$1 or model\$1))	USPAT	OR	OFF	2003/11/23 12:24

## EAST Search History

S43	39	((3D or (three near2 dimension\$4)) near5 (fac\$3 near2 (template\$1 or kernal\$1 or mask\$1 or model\$1))) and image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))	USPAT	OR	OFF	2003/11/23 12:23
S44	8	("5844573"   "5990901"   "6020892"   "6147692"   "6366281"   "6268846"   "6320583"   "6362833").PN.	USPAT	OR	OFF	2003/11/23 12:01
S45	20708	image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))	USPAT	OR	OFF	2003/11/23 12:27
S46	680	(image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))) and (fac\$3 near2 (template\$1 or kernal\$1 or mask\$1 or model\$1))	USPAT	OR	OFF	2003/11/23 12:25
S47	17	(image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))) and (3D near4 (fac\$3 near2 (template\$1 or kernal\$1 or mask\$1 or model\$1)))	USPAT	OR	OFF	2003/11/23 12:27
S48	52	((image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))) and (((fac\$3 or skin) near3 (color or tone)) same (modify\$4 or alter\$4 or chang\$4))) and (template\$1 or kernal\$1 or mask\$1)	USPAT	OR	OFF	2003/11/24 14:51
S49	203	(image\$1 and (fac\$3 near3 (extract\$4 or locat\$4 or determin\$5))) and (((fac\$3 or skin) near3 (color or tone)) same (modify\$4 or alter\$4 or chang\$4))	USPAT	OR	OFF	2003/11/24 14:33
S50	0	(3d near2 (fac\$3 near2 template\$1)) and ((skin or flesh or fac\$3) near3 (chang\$3 or alter\$4 or modify\$4))	USPAT	OR	OFF	2003/11/24 14:53
S51	0	(3d near5 (fac\$3 near2 template\$1)) and ((skin or flesh or fac\$3) near3 (chang\$3 or alter\$4 or modify\$4))	USPAT	OR	OFF	2003/11/24 14:53
S52	0	(3d near5 (fac\$3 near5 template\$1)) and ((skin or flesh or fac\$3) near3 (chang\$3 or alter\$4 or modify\$4))	USPAT	OR	OFF	2003/11/24 14:54
S53	0	((three near2 dimension\$3) near5 (fac\$3 near5 template\$1)) and ((skin or flesh or fac\$3) near3 (chang\$3 or alter\$4 or modify\$4))	USPAT	OR	OFF	2003/11/24 14:54
S54	11	((three near2 dimension\$3) near5 template\$1) and ((skin or flesh or fac\$3) near3 (chang\$3 or alter\$4 or modify\$4))	USPAT	OR	OFF	2003/11/24 14:56
S55	101	(3d or (three near2 dimension\$4)) same (fac\$3 near3 (template\$3 or kernal\$3 or mask\$1))	USPAT	OR	OFF	2003/11/24 14:58

## EAST Search History

S56	290	template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary)	USPAT	OR	OFF	2003/11/24 15:07
S57	6578	template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary or complementary)	USPAT	OR	OFF	2003/11/24 15:08
S58	5226	(template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary or complementary) ) and fac\$3	USPAT	OR	OFF	2003/11/24 15:08
S59	472	((template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary or complementary) ) and fac\$3) and (fac\$3 near3 (determin\$6 or locat\$6 or extract\$6))	USPAT	OR	OFF	2003/11/24 15:09
S60	323697	((template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary or complementary) ) and fac\$3) and (fac\$3 near3 (determin\$6 or locat\$6 or extract\$6)) ) and face or faces	USPAT	OR	OFF	2003/11/24 15:10
S61	99	((template\$1 same (((skin or flesh) near3 color) or (cyan near2 blue) or cyanblue or complimentary or complementary) ) and fac\$3) and (fac\$3 near3 (determin\$6 or locat\$6 or extract\$6)) ) and (face or faces)	USPAT	OR	OFF	2003/11/24 15:10
S62	40	template\$ near5 ((different or multiple) near3 color\$1)	USPAT	OR	OFF	2003/11/24 15:42
S63	2	"6075557".pn.",6044168".pn.	USPAT	OR	OFF	2003/11/25 15:56
S64	4	"6044168".pn.",6075557".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/25 15:20
S68	4	"6044168".pn.",6075557".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 13:50
S69	2	S68 and (user\$1 or manual\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 13:52

## EAST Search History

S70	37996	((((face faces facial) same (rotat\$6 transform\$6 mov\$6 chang\$6 alter\$8 modif\$8)) same (user\$1 or manual\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:13
S71	5397	S70 and human	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 13:54
S72	989	S70 and ((template\$2 kernal\$1 reference\$1 mask\$1) near3 (compar\$4 match\$3 correlat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:14
S73	966	S72 and (position\$1 location\$1 point\$1 fiducial\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:05
S74	637	S73 and imag\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:08
S75	197	S74 and (fac\$5 near3 recogni\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:09
S76	2299	((((face faces facial) same (rotat\$6 transform\$6 mov\$6 chang\$6 alter\$8 modif\$8)) near4 (user\$1 or manual\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:13
S77	91	S76 and ((template\$2 kernal\$1 reference\$1 mask\$1) near3 (compar\$4 match\$3 correlat\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:35
S78	34	((fac\$5 near3 recognition) same (template\$1 kernal\$1 mask\$1 and refernece\$1)) same (user or manual\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:41
S79	231	((fac\$5 near3 recognition) same (template\$1 kernal\$1 mask\$1 and refernece\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:41

## EAST Search History

S80	211	S79 and (rotat\$8 transform\$6 alter\$9 modif\$7mov\$6 chang\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 14:54
S81	167	S80 and (user\$1 or manual\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/03/06 15:24
S82	4	"6044168".pn.",6075557".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 11:45
S83	309	(faci\$4 near4 (match\$4 compar\$4 identif\$6)) and ((imag\$1 same (template\$1 kernal\$1 mask\$1 reference\$1 standard\$1)) same display\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 11:50
S84	147	S83 and ((user manual\$4) same (mov\$6 transform\$6 rotat\$4 alter\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 12:29
S85	247247	"84" and (face faces facial)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 12:30
S86	309	(faci\$4 near4 (match\$4 compar\$4 identif\$6)) and ((imag\$1 same (template\$1 kernal\$1 mask\$1 reference\$1 standard\$1)) same display\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 12:29
S87	147	S86 and ((user manual\$4) same (mov\$6 transform\$6 rotat\$4 alter\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 12:29
S88	108	S87 and (face faces facial)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:05
S89	5	"2324428".pn.",0877274".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:09



## EAST Search History

S90	0	"00877274".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:06
S91	5	"877274".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:06
S92	4	"2324428".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:09
S93	8	"4996642".pn.",5576778".pn.", 5983201".pn.",6231188".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/01 15:24
S94	11	((face faces facial) near4 (recogni\$6 identif\$8)) same (imag\$4 and template\$1) same (interactiv\$5 manual\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 15:14
S95	15	((face faces facial) near4 (recogni\$6 identif\$8 extract\$5)) same (imag\$4 and template\$1) same (interactiv\$5 manual\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 15:16
S96	4	S95 not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 15:15
S97	130	((face faces facial) near4 (recogni\$6 identif\$8 extract\$5)) same (imag\$4 and template\$1) and (interactiv\$5 manual\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 15:16
S98	509	((fac\$4 near4 (recogni\$7 identif\$4 extract\$4)) same template\$1) and (user\$1 interactiv\$5 manual\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 16:53
S99	274	((((face faces facial) near4 (recogni\$7 identif\$4 extract\$4)) same template\$1) and (user\$1 interactiv\$5 manual\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 16:54

## EAST Search History

S10 0	688	(fac\$4 same template\$1) same display\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 16:54
S10 1	33	S99 and (fac\$4 same template\$1) same display\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/02 16:54
S10 2	1	((((face faces facial) near5 (recogniz\$7 identif\$7 extract\$5)) same imag\$4) same (complementary near3 color\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/03 17:32
S10 3	1	((((face faces facial) near5 (recogniz\$7 identif\$7 extract\$5)) same imag\$4) same (3D and wire)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/03 17:34
S10 4	53	((((face faces facial) near5 (recogniz\$7 identif\$7 extract\$5)) same imag\$4) and (3D and wire)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/03 17:40
S10 5	27	((((face faces facial) near5 (recogniz\$7 identif\$7 extract\$5)) same imag\$4) and (3D and wire) and template\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/03 17:41
S10 6	0	((((face faces facial) near5 (recogniz\$7 identif\$7 extract\$5)) same imag\$4) and ((3D and wire) same template\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/03 17:41
S10 7	629	imag\$4 and (((face faces facial) near3 (template\$1 kernal\$1 mask\$1)) same ((face faces facial) near3 (imag\$4 frame\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 09:49
S10 8	290	S107 and ((transform\$3 rotat\$4 mov\$4 translat\$6) same ((templat\$1 imag\$4) and (faces face facial)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 10:08
S10 9	53	S108 and (((template\$1 mask\$1 kernal\$1) same (image\$1 frame\$1)) same align\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 10:39

## EAST Search History

S11 0	93	((template\$1 mask\$1 kernal\$1) same (image\$1 frame\$1)) same (face facial faces) same (superimpos\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 11:00
S11 1	1585	((template\$1 mask\$1 kernal\$1) same (image\$1 frame\$1)) same (face facial faces) same ((on near3 top) above layer\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 11:38
S11 2	213	S111 and (((extract\$4 locat\$4 determin\$4) near4 (face faces facial)) same imag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 11:02
S11 3	67	((template\$1 mask\$1 kernal\$1) same (image\$1 frame\$1)) same (face facial faces) same (overlay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 12:13
S11 4	6673	((template\$1 mask\$1 kernal\$1) same (image\$1 frame\$1)) same (face facial faces)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 12:14
S11 5	232	S114 and (position\$3 near4 match\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 12:14
S11 6	16	"6088040"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:47
S11 7	48	((extract\$6 near4 (face faces facial)) near4 (region\$1 area\$1)) same ((template\$1 kernal\$1 mask\$1) and match\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/27 13:49
S11 8	290	((face faces facial) and (imag\$4 and (templat\$4 kernal\$1 mask\$1))) same (superimpos\$4 overlay\$4 overlaid)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 14:52
S11 9	51	S118 and (((locat\$6 extract\$5) near5 (face faces facial)) same imag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 14:52

## EAST Search History

S12 0	727	((face faces facial) and (imag\$4 and (templat\$4 kernal\$1 mask\$1))) same (move moving)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 14:52
S12 1	108	S120 and (((locat\$6 extract\$5) near5 (face faces facial)) same imag\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/04 14:52
S12 2	6	"6088040".pn.",6181806".pn.", 6035074".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:11
S12 3	103	((extract\$4 near4 (face faces facial)) near4 imag\$4) same template\$1 same ((position\$1 location\$1) (match\$4 compar\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/06 15:29
S12 4	0	((face near5 recogni\$7) same (template near5 match\$4) same (unsharp\$5 blurr\$6))	USPAT	OR	OFF	2006/07/19 16:41
S12 5	30	((face near5 recogni\$7) same (template\$ near5 match\$4))	USPAT	OR	OFF	2006/07/19 17:16
S12 6	3	((unsharp\$6 blur\$7) near5 (imag\$4 and template\$4)) and imag\$4	USPAT	OR	OFF	2006/07/19 17:22
S12 7	14019	((unsharp\$6 blur\$7) near5 (imag\$4 template\$4)) and imag\$4	USPAT	OR	OFF	2006/07/19 17:23
S12 8	144	S127 and (templat\$4 near4 match\$4)	USPAT	OR	OFF	2006/07/19 17:41
S12 9	0	(template\$4 near4 match\$4) same ((unsharp\$5 blur\$4) near4 (template\$1 and imag\$4))	USPAT	OR	OFF	2006/07/19 17:42
S13 0	8	(template\$4 near4 match\$4) same ((unsharp\$5 blur\$4) near4 (template\$1 imag\$4))	USPAT	OR	OFF	2006/07/19 17:42
S13 1	0	(blur\$6 near4 template\$1) and (template near3 match\$4)	USPAT	OR	OFF	2006/07/20 07:57
S13 2	2	(blur\$6 near4 template\$1) and (template near3 match\$4)	USPAT	OR	OFF	2006/07/20 07:58
S13 3	0	(unsharp\$4 near4 template\$1) and (template near3 match\$4)	USPAT	OR	OFF	2006/07/20 07:59
S13 4	0	(unsharp\$4 near49 template\$1) and (template near3 match\$4)	USPAT	OR	OFF	2006/07/20 07:59
S13 5	7	(blur\$6 near9 template\$1) and (template near3 match\$4)	USPAT	OR	OFF	2006/07/20 08:01

## EAST Search History

S13 6	4	(blur\$6 near9 template\$1) and (position near3 match\$4)	USPAT	OR	OFF	2006/07/20 08:01
S13 7	0	(unsharp\$4 near9 template\$1) and (position near3 match\$4)	USPAT	OR	OFF	2006/07/20 08:02
S13 8	4	(sharp\$4 near9 template\$1) and (position near3 match\$4)	USPAT	OR	OFF	2006/07/20 08:02
S13 9	3	"6181806".pn.",6035074".pn.", 6466685".pn.	USPAT	OR	OFF	2006/07/20 09:00